

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claim 1 (currently amended): A fluid monitoring apparatus for monitoring a fluid in a fluid mains supply, the apparatus comprising means for connecting the apparatus to the mains supply, a testing chamber, a fluid tester~~[[,]]~~ for testing a variable of a fluid in the testing chamber and a purger for purging a volume of fluid from the testing chamber which volume of fluid is substantially larger than the volume of the testing chamber, thereby replacing the fluid in the testing chamber with a new fluid volume.

Claim 2 (currently amended): A fluid monitoring apparatus according to claim 1, in which the apparatus is ~~suited~~ adapted for coupling to a hydrant connected to the mains supply.

Claim 3 (original): A fluid monitoring apparatus according to claim 1 or claim 2, in which the apparatus comprises a pressure sensor for measuring the fluid pressure.

Claim 4 (currently amended): A fluid monitoring apparatus according to ~~any preceding~~ claim 1, in which the apparatus comprises a purge controller for controlling the purger to determine the volume to be purged.

Claim 5 (currently amended): A fluid monitoring apparatus according to claim 4, ~~in which when dependent on claim 3, wherein~~ the purge controller uses the measured pressure to determine the period for which the purger should operate.

Claim 6 (original): A fluid monitoring apparatus according to claim 5, in which the period is determined by comparing the pressure in a look-up table for a suitable purge time.

Claim 7 (currently amended): A fluid monitoring apparatus according to ~~any one of claims 4 to 7~~ claim 4, in which the purge controller comprises a microprocessor.

Claim 8 (currently amended): A fluid monitoring apparatus ~~according to any preceding~~ claim 1, in which the purger is configured to act for a purge time such that the fluid from the mains supply enters the testing chamber.

Claim 9 (currently amended): A fluid monitoring apparatus according to ~~any preceding~~ claim 1, in which the fluid tester comprises a turbidity tester.

Claim 10 (currently amended): A fluid monitoring apparatus according to ~~any preceding~~ claim 1, in which the apparatus comprises an electrical conductivity tester.

Claim 11 (currently amended): A fluid monitoring apparatus according to ~~any preceding~~ claim 1, in which the apparatus comprises a temperature tester.

Claim 12 (currently amended): A fluid monitoring apparatus according to ~~any preceding~~ claim 1, in which the apparatus is configured whereby purged fluid is purged from the apparatus to atmosphere.

Claim 13 (currently amended): A fluid monitoring apparatus according to ~~any preceding~~ claim 1, in which the apparatus comprises a memory for storing fluid test information.

Claim 14 (currently amended): A fluid monitoring apparatus according to claim ~~13~~ 1, in which the apparatus comprises data download means to enable data from the memory to be downloaded to an external device.

Claim 15 (currently amended): A fluid monitoring apparatus according to ~~any-
preceding~~ claim 1, in which the apparatus comprises a power cell.

Claim 16 (currently amended): A fluid monitoring apparatus according to ~~any-
preceding~~ claim 1, in which the fluid comprises a liquid.

Claim 17 (currently amended): A fluid monitoring apparatus according to claim ~~16~~ 1,
in which the liquid comprises water.

Claim 18 (currently amended): A fluid monitoring apparatus according to ~~any-
preceding~~ claim 1, in which the mains supply is a mains water supply.

Claim 19 (currently amended): A fluid mains to which an apparatus according to ~~any
one of claims 1 to 18~~ claim 1 is coupled.

Claim 20 (original): A fluid mains according to claim 19, in which the fluid mains is a
liquid mains.

Claim 21 (currently amended): A fluid mains according to claim 19 ~~and~~ or claim[[s]]
20, in which the liquid mains is a water mains.

Claim 22 (original): A method of operating a fluid monitoring apparatus for monitoring a fluid in a fluid mains supply, which method comprises the steps of connecting the apparatus to a mains supply, testing a variable of a fluid in a testing chamber and purging a volume of fluid from the testing chamber which volume of fluid is substantially larger than the volume of the testing chamber, thereby replacing the fluid in the testing chamber with a new fluid volume.